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GRS Genomic DNA Kit – Tissue - #GK03.0100

(FOR RESEARCH ONLY)

SUGGESTED PROTOCOL FOR DNA PURIFICATION FROM BUCCAL SWAB

1) Add 500µl of **Buffer BC2** and 20µl of **Proteinase K** (10mg/ml) to a 1,5-ml microcentrifuge tube. Place the buccal swab into the tube and incubate at **60ºC** for 10 minutes.

2) Discard the swab and add 500µl of **Buffer TC1** to the lysate. Mix immediately by shaking vigorously. Incubate at **60ºC** for 10 minutes. [At this time preheat the elution buffer to 60ºC for the DNA elution step].

3) [*Optional step; If RNA-free DNA is required*] Allow the mixture to cool to room temperature and add 4µl of **RNAse A (10mg/ml)**, mix by shaking vigorously and incubate for 5 minutes at room temperature.

4) Add 500µl of absolute ethanol to the lysate and immediately mix by shaking vigorously.

5) Place the **genomic DNA mini spin column** in a 2-ml collection tube and transfer 700µl of the sample mixture. Centrifuge at 14.000g-16.000g for 1 minute.

6) Discard the flow-through and repeat step 5 with the remaining lysate mixture.

7) Proceed with the wash step of the Tissue Protocol on page 3 (step 9).